

PATENT

New claims 23-30 are added as follows:

23. (New) An electrical assembly comprising:

at least a portion of a crosstalk compensation circuit defined thereon for offsetting an original crosstalk signal induced at a first off-assembly connection by one or more signals on one or more adjacent off-assembly connections; and electrical traces traversing apertures defined in one or more voltage planes of the assembly to inductively couple compensating crosstalk signals having opposing polarity to the original crosstalk signal.

24. (New) The electrical assembly of claim 23,

wherein the electrical traces are respectively coupled to the first and adjacent connections.

25. (New) An electrical assembly comprising:

traces extending toward respective off-assembly connections; and means defined along the traces for inducing compensating crosstalk signals having opposing polarity to initial crosstalk signals associated with mutual coupling between adjacent of the off-assembly connections.

26. (New) The electrical assembly of claim 25, wherein the means for inducing compensating crosstalk signals include:

an aperture in a voltage plane of the electrical assembly; and essentially parallel portions of a correspond pair of the traces, the essentially parallel portions coplanar with the voltage plane and traversing the aperture therein.

27. (New) The electrical assembly of claim 25,

wherein the means for inducing compensating crosstalk signals include integrated transformer structures defined along the traces.

28. (New) The electrical assembly of claim 25, wherein the means for inducing

compensating crosstalk signals define at least a portion of a crosstalk compensation circuit.